

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A flame resistant fabric, comprising:

inherently flame resistant fibers ~~that were uncatalyzed in fiber form~~ capable of crystallization; and

cellulosic fibers containing a flame retardant compound;

wherein the inherently flame resistant fibers comprise a material selected from the group consisting of aromatic polyamide, polyamide imide, polyimide, and combinations thereof;

wherein the cellulosic fibers comprise a material selected from the group consisting of rayon, acetate, triacetate, lyocell, and mixtures thereof.
2. (Previously Amended) The fabric of claim 1, wherein the inherently flame resistant fibers comprise meta-aramid fibers.
3. (Previously Amended) The fabric of claim 1, wherein the cellulosic fibers comprise rayon fibers.
4. (Previously Amended) The fabric of claim 1, wherein the fabric contains a residual amount of dye-assistent selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, and mixtures thereof.

5. (Currently Amended) The fabric of claim 1, wherein the ~~fabrie~~ cellulosic fibers contains a phosphorus compound flame retardant in a concentration of at least approximately 1.4% phosphorus by weight of cellulosic fiber component.

6. (Previously Amended) The fabric of claim 1, wherein the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 191 A Method 5903.1 using a three second exposure.

7. (Previously Amended) The fabric of claim 1, wherein the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992, Table I (3)(V)(A)(iii).

8. (Currently Amended) The fabric of claim 1, wherein the inherently flame resistant fibers of the fabric have been dyed a shade of color which results in an L value between approximately 18 and the ~~greige~~ griege L value for the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers.

9. (Currently Amended) A flame resistant fabric, comprising:
inherently flame resistant fibers ~~that were uncrytalyzed in fiber form~~ capable of crystallization; and
cellulosic fibers that contain a flame retardant compound;

wherein the fabric contains a residual amount of a dye-assistent selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, N,N-diethylbenzamide, hexadecyltrimethyl ammonium salt, N,N-dimethylbenzamide, N,N-diethyl-m-toluamide, N-octylpyrrolidone, aryl ether, an approximately 50/50 blend of N,N-dimethylcaprylamide and N,N-dimethylcapramide, and mixtures thereof.

10. (Previously Amended) The fabric of claim 9, wherein the dye-assistent is selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, and mixtures thereof.

11. (Previously Amended) The fabric of claim 9, wherein the inherently flame resistant fibers comprise a material selected from the group consisting of aromatic polyamide, polyamide imide, polyimide, and combinations thereof.

12. (Previously Amended) The fabric of claim 9, wherein the inherently flame resistant fibers comprise meta-aramid fibers.

13. (Previously Amended) The fabric of claim 9, wherein the cellulosic fibers comprise rayon, acetate, triacetate, lyocell, or mixtures thereof.

14. (Previously Amended) The fabric of claim 9, wherein the cellulosic fibers comprise rayon fibers.

15. (Currently Amended) The fabric of claim 9, wherein the ~~fabrie~~ cellulosic fibers contains a phosphorus compound flame retardant in a concentration of at least approximately 1.4% phosphorus by weight of cellulosic fiber component.

16. (Previously Amended) The fabric of claim 9, wherein the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 191 Method 5903.1 using a three second exposure.

17. (Previously Amended) The fabric of claim 9, wherein the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992, Table I (3)(V)(A)(iii).

18. (Currently Amended) The fabric of claim 9, wherein the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the ~~greige~~ griege L value for the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers.

19. (Currently Amended) A flame resistant fabric, comprising:

inherently flame resistant fibers ~~that were uncrystallized in fiber form~~ capable of crystallization;

cellulosic fibers that contain a phosphorous compound;

wherein the ~~fabric contains~~ a phosphorus compound ~~in~~ comprises a concentration of at least approximately 1.4% phosphorus by weight of cellulosic fiber component.

20. (Previously Amended) The fabric of claim 19, wherein the inherently flame resistant fibers comprise a material selected from the group consisting of aromatic polyamide, polyamide imide, polyimide, and combinations thereof.

21. (Previously Amended) The fabric of claim 19, wherein the inherently flame resistant fibers comprise meta-aramid fibers.

22. (Previously Amended) The fabric of claim 19, wherein the cellulosic fibers comprise rayon, acetate, triacetate, lyocell, or combinations thereof.

23. (Previously Amended) The fabric of claim 19, wherein the cellulosic fibers comprise rayon fibers.

24. (Previously Amended) The fabric of claim 19, wherein the fabric contains a residual amount of dye-assistant selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, and mixtures thereof.

25. (Previously Amended) The fabric of claim 19, wherein the fabric exhibits a duration of conducted in accordance with FTMS 191A Method 5903.1 using a three second exposure.

26. (Previously Amended) The fabric of claim 19, wherein the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992, Table I (3)(V)(A)(iii).

27. (Currently Amended) The fabric of claim 19, wherein the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the ~~greige~~ griege L value for the fabric if

the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers.

28. (Currently Amended) A flame resistant fabric, comprising:

inherently flame resistant fibers ~~that were uncatalyzed in fiber form~~ capable of crystallization; and

cellulosic fibers that contain a flame retardant compound;

wherein the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 191A Method 5903.1 using a three second exposure.

29. (Previously Amended) The fabric of claim 28, wherein the inherently flame resistant fibers comprise a material selected from the group consisting of aromatic polyamide, polyamide imide, polyimide, and combinations thereof.

30. (Previously Amended) The fabric of claim 28, wherein the inherently flame resistant fibers comprise meta-aramid fibers.

31. (Previously Amended) The fabric of claim 28, wherein the cellulosic fibers comprise rayon, acetate, triacetate, lyocell, or combinations thereof.

32. (Previously Amended) The fabric of claim 28, wherein the cellulosic fibers comprise rayon fibers.

33. (Previously Amended) The fabric of claim 28, wherein the fabric contains a residual amount of dye-assistent selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, and mixtures thereof.

34. (Previously Amended) The fabric of claim 28, wherein the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992, Table I (3)(V)(A)(iii).

35. (Currently Amended) The fabric of claim 28, wherein the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the ~~greige~~ griege L value for the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers.

36. (Currently Amended) A flame resistant fabric, comprising:
inherently flame resistant fibers ~~that were uncrystallized in fiber form~~ capable of crystallization; and

cellulosic fibers that contain a flame retardant compound;

wherein the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992, Table I (3)(V)(A)(iii).

37. (Previously Amended) The fabric of claim 36, wherein the inherently flame resistant fibers comprise a material selected from the group consisting of aromatic polyamide, polyamide imide, polyimide, and combinations thereof.

38. (Previously Amended) The fabric of claim 36, wherein the inherently flame resistant fibers comprise meta-aramid fibers.

39. (Previously Amended) The fabric of claim 36, wherein the cellulosic fibers comprise rayon, acetate, triacetate, lyocell, or combinations thereof.

40. (Previously Amended) The fabric of claim 36, wherein the cellulosic fibers comprise rayon fibers.

41. (Previously Amended) The fabric of claim 36, wherein the fabric contains a residual amount of dye-assistent selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, and mixtures thereof.

42. (Currently Amended) The fabric of claim 36, wherein the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the ~~greige~~ griege L value for the fabric approximately if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers.

43. (Currently Amended) A flame resistant fabric, comprising:
inherently flame resistant fibers ~~that were uncrytalyzed in fiber form~~ capable of crystallization; and

cellulosic fibers that contained a flame retardant compound in fiber form.

44. (Previously Amended) The fabric of claim 43, wherein the fabric contains a residual amount of a dye-assistent selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, N,N-diethylbenzamide, hexadecyltrimethyl ammonium salt, N,N-dimethylbenzamide, N,N-diethyl-m-toluamide, N-octylpyrrolidone, aryl ether, an approximately 50/50

blend of N,N-dimethylcaprylamide and N,N-dimethylcapramide, and mixtures thereof.

45. (Previously Amended) The fabric of claim 43, wherein the dye-assistant is selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, and mixtures thereof.

46. (Previously Amended) The fabric of claim 43, wherein the inherently flame resistant fibers comprise a material selected from the group consisting of aromatic polyamide, polyamide imide, polyimide, and combinations thereof.

47. (Previously Amended) The fabric of claim 43, wherein the inherently flame resistant fibers comprise meta-aramid fibers.

48. (Previously Amended) The fabric of claim 43, wherein the cellulosic fibers comprise rayon, acetate, triacetate, lyocell, or combinations thereof.

49. (Previously Amended) The fabric of claim 43, wherein the cellulosic fibers comprise rayon fibers.

50. (Previously Amended) The fabric of claim 43, wherein the fabric contains a phosphorus compound flame retardant in a concentration of at least approximately 1.4% phosphorus by weight of cellulosic fiber component.

51. (Previously Amended) The fabric of claim 43, wherein the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 1431 Method 5903.1 using a three second exposure.

52. (Previously Amended) The fabric of claim 43, wherein the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992, Table I (3)(V)(A)(iii).

53. (Currently Amended) The fabric of claim 43, wherein the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result in an L value between approximately 18 and the ~~greige~~ griege L value for the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers.

54. (Previously Amended) A flame resistant fabric, comprising:
dyed, inherently flame resistant fibers that were uncolored in fiber form; and
cellulosic fibers that contained a flame retardant compound in fiber form.

55. (Previously Amended) The fabric of claim 54, wherein the fabric contains a residual amount of a dye-assitant selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, N,N-diethylbenzamide, hexadecyltrimethyl ammonium salt, N,N-dimethylbenzamide, N,N-diethyl-m-toluamide, N-octylpyrrolidone, aryl ether, an approximately 50/50 blend of N,N-dimethylcaprylamide and N,N-dimethylcapramide, and mixtures thereof.

56. (Previously Amended) The fabric of claim 54, wherein the dye-assitant is selected from the group consisting of N-cyclohexylpyrrolidone, benzyl alcohol, N,N-dibutylformamide, and mixtures thereof.

57. (Previously Amended) The fabric of claim 54, wherein the inherently flame resistant fibers comprise a material selected from the group consisting of aromatic polyamide, polyamide imide, polyimide, and combinations thereof.

58. (Previously Amended) The fabric of claim 54, wherein the inherently flame resistant fibers comprise meta-aramid fibers.

59. (Previously Amended) The fabric of claim 54, wherein the cellulosic fibers comprise rayon, acetate, triacetate, lyocell, or combinations thereof.

60. (Previously Amended) The fabric of claim 54, wherein the cellulosic fibers comprise rayon fibers.

61. (Previously Amended) The fabric of claim 54, wherein the fabric contains a phosphorus compound flame retardant in a concentration of at least approximately 1.4% phosphorus by weight of cellulosic fiber component.

62. (Previously Amended) The fabric of claim 54, wherein the fabric exhibits a duration of afterflame no greater than 2.0 seconds when subjected to a vertical flammability test conducted in accordance with FTMS 1431 Method 5903.1 using a three second exposure.

63. (Previously Amended) The fabric of claim 54, wherein the fabric exhibits a shrinkage percentage of no greater than approximately 7% after 20 launderings conducted in accordance with AATCC Test Method 135-1992, Table I (3)(V)(A)(iii).

64. (Currently Amended) The fabric of claim 54, wherein the inherently flame resistant fibers of the fabric have been dyed a shade of color which would result

in an L value between approximately 18 and the ~~greige~~ griege L value for the fabric if the inherently flame resistant fibers were used to form a fabric composed exclusively of the inherently flame resistant fibers.